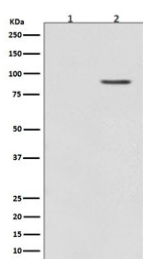


Phospho-B Raf Antibody (pT401) [clone IBE-2] (RQ5439)

Catalog No.	Formulation	Size
RQ5439	Antibody in PBS with 0.02% sodium azide, 50% glycerol and 0.4-0.5mg/ml BSA	100 ul

[Bulk quote request](#)

Availability	1-2 weeks
Species Reactivity	Human, Mouse, Rat
Format	Purified
Host	Rabbit
Clonality	Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	IBE-2
Purity	Affinity purified
UniProt	P15056
Applications	Western Blot : 1:500-1:2000
Limitations	This phospho-B Raf antibody (pT401) is available for research use only.



Western blot testing of lysate from rat PC-12 cells 1) untreated or 2) treated with TPA, with phospho-B Raf antibody (pT401). Predicted molecular weight: 85-95 kDa.

Description

The BRAF gene encodes a protein belonging to the RAF family of serine/threonine protein kinases. This protein plays a role in regulating the MAP kinase/ERK signaling pathway, which affects cell division, differentiation, and secretion. Mutations in this gene, most commonly the V600E mutation, are the most frequently identified cancer-causing mutations in melanoma, and have been identified in various other cancers as well, including non-Hodgkin lymphoma, colorectal cancer, thyroid carcinoma, non-small cell lung carcinoma, hairy cell leukemia and adenocarcinoma of lung. Mutations in this gene are also associated with cardiofaciocutaneous, Noonan, and Costello syndromes, which exhibit overlapping

phenotypes. [RefSeq]

Application Notes

Optimal dilution of the phospho-B Raf antibody (pT401) should be determined by the researcher.

Immunogen

A synthetic peptide specific to human B Raf (surrounding pT401) was used as the immunogen for the phospho-B Raf antibody.

Storage

Store the phospho-B Raf antibody (pT401) at -20oC.